Technical Specifications

Item	Specification			Statement of Compliance
	Lot No. 1 -- Data Room and Local Area Network Infrastructure Equipment			
	Item	**Particulars**	**Minimum Specification**	
	18 units Network Switch 24 ports	Ports:	24x 10/100/1000BASE-T RJ45(4 Combo) | 4 1/10GE SFP+	
		CPU:	Armsv7, 800M/800Mhz	
		Switching capability:	598Gpbs	
		Forwarding rate:	126Mbps	
		SDRAM/DRAM/ RAM:	512MB	
		Flash Memory:	128M	
		Input Range:	100~240VAC, 50Hz/60Hz	
		Operating Temperature:	0 to 45°C	
		Warranty:	1 year minimum	
		Other features:	Must be compatible with CISCO system, manufacturer/brand at least 30 years in the network switch industry	
	12 units Network Switch 8 ports	Ports:	24x 10/100/1000BASE-T RJ45(4 Combo) | 4 1/10GE SFP+	
		CPU:	Armsv7, 800M/800Mhz	
		Switching capability:	598Gpbs	
		Forwarding rate:	126Mbps	
		SDRAM/DRAM/ RAM:	512MB	
		Flash Memory:	128M	
		Input Range:	100~240VAC, 50Hz/60Hz	
		Operating Temperature:	0 to 45°C	
		Warranty:	1 year minimum	
		Other features:	Must be compatible with CISCO system, manufacturer/brand at least 30 years in the network switch industry	
	10 units Network Cabinet	Rack:	2 layers (must be able to accommodate 2 switches)	
		Dimensions (Depth x Width x Height):	366mm x 600mm x 400mm	
		Mounting type:	Wall	
		External case material:	Steel or Fiber	
		Other feature:	Must have a built in fan, power outlet and power cord.	
	108 pcs Cable Tray	Size (Length x Width):	100mm x 50mm	
		Material:	Steel	
		Tray Type:	Perforated Cable Tray	
		Usage/Application :	Industrial type	
		Sheet thickness:	3 mm	
		Shape:	U	
		Surface Finishing:	Galvanized	
	1 unit Point to Point radio base (for wireless network)	Dimensions (Height x width x depth):	224mm x 82mm x 48mm	
		Weight:	0.5 kg (1.03 lbs.)	
		Mounting:	airFiberXmount (Rocket mount compatible) GPS pole mount (included)	
		Network interface:	(1) 10/100/1000 Mbe RJ45 port	
		Power method:	Dual passive PoE	
		Power Supply:	24V, 1A PoE Gigabit adapter (Included)	

			Max. power consumption:	25W		
			Supported voltage range:	18-54V DC		
			Operating temperature:	-40° to 55° C (-40° to 131°F)		
			Certifications:	FCC (Federal Communications Commissions)		
			OS:	airOS®		
			Operating mode:	PtMP Base Station radio		
			Software management:	Bluetooth management for easy setup over UISP Mobile app WEB UI		
			Minimum software requirements:	Any modern web browser/IOS™ or Android™ based smartphone		
			Maximum throughput:	900+ Mbps*		
			Supported clients count:	125+		
			Maximum range:	200+ Km*		
			Encryption:	128-bit AES		
			Technology:	LTU (Line Terminating Unit)		
		1 unit Point to Point radio client (for wireless network)	Dimensions (Height x width x depth)	316.5mm x 316.5mm x 174.3 mm		
			Weight:	1.3kg (2.8lb)		
			Enclosure material:	UV-stabilized polycarbonate		
			Mounting:	Pole Mount (Kit included)		
			Wind loading:	150 N at 200 km/h (33.72 lbf at 125 mph)		
			Wind survivability:	200 km/h (125mph)		
			Network interface:	(1) 10/100/1000 Mbe RJ45 port		
			Power method:	Dual passive PoE		
			Power Supply:	24V, 1A PoE Gigabit adapter (Included)		
			Max. power consumption:	9W		
			Supported voltage range:	22-26V DC		
			Operating temperature:	-40° to 60° C (-40° to 140°F)		
			Certifications:	FCC (Federal Communications Commissions), CE (Conformite Europeenne), IC (Industry Canada)		
			OS:	airOS®		
			Modes:	PtMP CPE only		
			Management interface:	Bluetooth management for easy setup over UISP Mobile app WEB UI		
			Minimum software requirements:	Any modern web browser/IOS™ or Android™ based smartphone		
			Maximum throughput:	900+ Mbps*		
			Technology:	LTU (Line Terminating Unit)		
		2 units Laptop (for onsite/remote data room management)	Processor:	8-core to 10-core CPU, 1000GB/s memory bandwidth M-Series or equivalent		
			Memory:	8 GB DDR4 (or DDR5) upgradeable to 16GB or 24GB		
			Storage:	256 SSD, upgradeable to 512GB, 1TB or 2TB		
			Display:	• 13.3inch (diagonal) LED-backlit display with IPS technology; 2560 by 1600 native resolution at 227 pixels per inch with support with millions of colors • 500 nits brightness • Wide color (p3) True Tone technology		
			Battery and Power:	• Up to 20 hours working hours on connection		

		• Up to 17 hours working hour connection • 58.2 watts hour lithium polymer battery 67W USB-C Power adapter
	Charging and expansion:	• Charging • Display Port • Thunderbolt 3 (up to 40Gb/s) • USB 4 (up to 40GB/s) • USB 3.1 Gen 2 (up to 10GB/s) 3.5 mm headphone jack
	Keyboard:	• Backlit magic keyboard • Touch Bar • Touch ID Ambient light sensor
	Operating System:	MacOS Sierra, 10.12.6 or latest/equivalent

Lot No. 2 -- High-end/Branded Laptops

Item	Particulars	Minimum Specification
2 units Laptop (for M group 1 A-MODAM)	Processor:	8-core to 10-core CPU, 1000GB/s memory bandwidth M-Series or equivalent
	Memory:	8 GB DDR4 (or DDR5) upgradeable to 16GB or 24GB
	Storage:	256 SSD, upgradeable to 512GB, 1TB or 2TB
	Display:	• 13.3inch (diagonal) LED-backlit display with IPS technology; 2560 by 1600 native resolution at 227 pixels per inch with support with millions of colors • 500 nits brightness • Wide color (p3) True Tone technology
	Battery and Power:	• Up to 20 hours working hours on connection • Up to 17 hours working hour connection • 58.2 watts hour lithium polymer battery 67W USB-C Power adapter
	Charging and expansion:	• Charging • Display Port • Thunderbolt 3 (up to 40Gb/s) • USB 4 (up to 40GB/s) • USB 3.1 Gen 2 (up to 10GB/s) 3.5 mm headphone jack
	Keyboard:	• Backlit magic keyboard • Touch Bar • Touch ID Ambient light sensor
	Operating System:	MacOS Sierra, 10.12.6 or latest/equivalent
1 unit Laptop (for M Group 1 A-MODAM)	Processor:	Intel core i5-12500H
	Memory:	16GB DDR4 3200Mhz
	Storage:	512GB PCIe 4.0 M.2 SSD
	Display:	• 15.6inch • 18:9 ratio • 1920x1080RES • NVIDIA GeForce RTX • IPS 165Hz 100% sRGB
	Battery and Power:	57 watts
	Keyboard and Touchpad:	Backlit keyboard
	Interfaces:	• Type C • HDMI • Headphone/Mic • Ethernet LAN

		USB 3.2
	Operating System	Windows 11
8 units Laptop (for M group 2 A-MODAM)	Processor:	8-core CPU with 4 performance cores and 4 efficient cores M-Series or equivalent
	Memory:	8GB DDR4(or DDR5) upgradable to 16GB
	Storage:	256GB SSD upgradable to 512GB, 1TB, or 2TB
	Display:	• 13.3inch (diagonal) LED-backlit display with IPS technology; 2560 by 1600 native resolution at 227 pixels per inch with support with millions of colors • 500 nits brightness • Wide color (p3) True Tone technology
	Battery and Power:	• Up to 18 hours working hours on connection • Up to 15 hours working hour connection • 49.9 watts hour lithium polymer battery 30W USB-C Power adapter
	Charging and expansion:	• Charging • Display Port • Thunderbolt 3 (up to 40Gb/s) • USB 4 (up to 40GB/s) • USB 3.1 Gen 2 (up to 10GB/s) 3.5 mm headphone jack
	Keyboard:	• Backlit magic keyboard Ambient light sensor
	Operating System:	MacOS Sierra, 10.12.6 or latest/equivalent

Lot No. 3 -- Drone with combo kit, Mobile Phone Controller and Gimbal

Item	Particulars	Minimum Specification
1 unit Camera Drone	Takeoff weight:	595 g
	Dimensions (length×width×height):	• Folded 180 mm x 97mm x 77mm Unfolded 183 mm x 253 mm x 77 mm
	Diagonal Length:	302 mm
	Max Ascent Speed:	• 6 m/s (S mode) 6 m/s (N mode)
	Max Descent Speed:	• 6 m/s (S mode) 6 m/s (N mode)
	Max Service Ceiling Above Sea Level:	500 m
	Max Flight Time (no wind):	31 minutes
	Max Hovering Time (no wind):	30 minutes
	Max Flight Distance (no wind):	18.5 km
	Max Flight Speed (near sea level, no wind)	• 19 m/s (S mode) • 15 m/s (N Mode) 5 m/s (C Mode)
	Max Wind Speed Resistance:	10.7 m/s
	Max Tilt Angle:	• 35° (S mode) Front: 30°, Back: 20°, Left: 35°, Right: 35° (N mode)
	Max Angular Velocity:	• 250° /s (S mode) • 90° /s (N mode) 60° /s (C mode)
	Operating	0° to 40° C (32° to 104° F)

			Temperature:		
			Operating Frequency:	• 2.4 GHz 5.8 GHz	
			Propellers:	Quick Release, Low noise, folding	
			Aircraft Arms:	Foldable	
			GNSS:	GPS+GLONASS+GALILEO	
			Compass:	Single Compass	
			IMU:	Single IMU	
			Internal Storage:	8Gb	
			Number of batteries:	1 + 2 Batteries	
			Number of propellers:	1 + 2 Pairs of propellers	
			Other Accessories included:	• Shoulder travel bag • Battery charging hub Battery to power bank adapter	
		1 unit Mobile Phone Controller	Storage and Ram:	• 8GB + 128GB LPDDR4X + UFS2.2 Expandable storage up to 1GB	
			Dimensions:	Height: 163.65mm x width: 76.19mm Thickness: 8.34mm Weight: 204g	
			Display:	• 6.67” FHD + AMOLED DotDisplay • Refresh Rate: Up to 120Hz • Touch sampling rate: Up to 360Hz • Brightness: HBM 700nits (typ), 1200 nits peak brightness (typ) • Contrast Ratio: 4,500,000:1 • Resolution: 2400 x 1080 • DCI-P3 wide color gamut • 360° ambient light sensor • Sunlight Display Reading mode	
			Rear Camera:	• 108MP + 8MP + 2MP • 108MP Main Camera F/1.8 • 8MP ultra-wide angle camera F/2.2, FOV 120° • 2MP macro camera F/2.4 • Rear camera video recording: 4K 3840x2160 | 30fps 1080p 1920x1080 | 30/60fps 720p 1280x720 | 30fps	
			Front Camera:	• 16MP front camera F/2.4 • Front camera video recording 1080p 1920x1080 | 30/60fps 720p 1280x720 | 30fps	
			Processor:	• MediaTek Dimensity 920 • CPU: Octa-core CPU, up to 2.5Ghz • GPU: ARM Mali-G68 6nm manufacturing process	
			Battery and charging:	• 4500mah battery (typ) battery* • USB-Type C • Support 120W HyperCharge* 120W in-box charger	
			Security:	• Side finger sensor AI Face unlock	
			Cooling System:	Liquid Cool Technology 2.0	

		Vibration Motor:	X-axis Linear motor	
		NFC:	Yes	
		Network and connectivity:	Sim 1 + Hybrid (Sim or MicroSD) Support 5G/4G/3G/2G	
		Package content:	• Adapter • USB Type-C cable • SIM eject tool • Protective case • Quick start guide • Warranty card Safety Information	
	1 unit Gimbal for Mobile Phone	Gimbal Dimensions (Length x Height x width):	• Unfolded 264.5mm x 111.1mm x 92.3mm Folded 174.7mm x 74.6mm x 37mm	
		Weight:	Gimbal: 292g Magnetic Phone Clamp: 34g	
		Max length of build-in Extension rod	215mm	
		Compatible Phone Weight:	230 ± 60g	
		Compatible Phone thickness:	6.9-10mm	
		Compatible Phone width:	67-84mm	
		Gimbal:	Power consumption: 1.2 W (under ideal conditions with gimbal fully balanced) Mechanical Range: • Pan: -161.12° to 172.08° • Roll: -127.05° to 208.95° • Tilt: -101.46° to 229.54° Max Control Speed: 120°/s	
		Battery:	Type: Pouch Cell Capacity: 1000mah Energy: 7.74Wh Voltage: 6-8.8V Charging Temperature: 5° to 40°C (41° to 104°F) Operating Temperature: 0° to 40°C (32° to 104°F) Operating Time: 6.4 hrs. (under ideal conditions with the gimbal fully balanced) Charging Time: 1.5 hrs. (measured with a 10W charger) Gimbal Charging Port: USB-C External Device Charging Port: No Universal Mount: ¼" Threaded Hole	
		Wireless mode:	Bluetooth Low energy 5.0	
		Grip Tripod:	Gimbal Dimensions: Length: 138 mm Diameter: 32 mm Can stand Weight up to: 72g	

Name and Signature of Bidder